

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S31	1	((GABRIELE) near2 (CRUCIANI)).INV.	US-PGPUB; USPAT; USOCR	AND	ON	2009/04/01 12:04
S32	32	(US-20050270156-\$ or US-20060287140-\$ or US-20050162257-\$ or US-20030054905-\$ or US-20020073933-\$ or US-20060135297-\$ or US-20030206411-\$ or US-20030023974-\$ or US-20020070688-\$).did. or (US-6837495-\$ or US-6551205-\$ or US-6148271-\$ or US-5748073-\$ or US-5615880-\$ or US-4577865-\$ or US-5498000-\$ or US-5394824-\$ or US-5564698-\$ or US-6149529-\$ or US-4859986-\$ or US-4422647-\$ or US-6561137-\$ or US-5259625-\$ or US-4432058-\$ or US-5794569-\$ or US-5059944-\$ or US-5810685-\$ or US-4718670-\$ or US-6422960-\$ or US-6152838-\$ or US-5294112-\$ or US-5102131-\$).did.	US-PGPUB; USPAT	AND	ON	2009/04/01 16:50
S33	758	S32 and (impact near sens\$4) or (kick near sens\$4) or (hit near sens\$4)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/04/01 16:52
S34	5	S32 and ((impact near sens\$4) or (kick near sens\$4) or (hit near sens\$4))	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/04/01 16:52
S35	2844	@ad<"20020917" and ((impact near sens\$4) or (kick near sens\$4) or (hit near sens\$4))	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/04/01 19:10
S36	0	@ad<"20020917" and ((impact near sens\$4) or (kick near sens\$4) or (hit near sens\$4)) and (inside near ball) and (referee or official)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/04/01 19:11
S37	11	@ad<"20020917" and ((impact near sens\$4) or (kick near sens\$4) or (hit near sens\$4)) and (inside near ball)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/04/01 19:11
S38	2	@ad<"20020917" and ((impact near sens\$4) or (kick near sens\$4) or (hit near sens\$4)) and (imbedded near ball)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/04/01 19:14
S39	518	@ad<"20020917" and ((impact near sens\$4) or (kick near sens\$4) or (hit near sens\$4)) and ball	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/04/01 19:15

## EAST Search History (Prior Art)

S40	259	@ad< "20020917" and ((impact near sens\$4) or (kick near sens\$4) or (hit near sens\$4)) and ball and (inside or imbedded)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/04/01 19:16
S41	110	@ad< "20020917" and (ball and sensor and (game or sport)).ab.	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/04/01 19:38
S43	0	2005/0270156.did.	US-PGPUB; USPAT; USOCR; FPRS	AND	OFF	2009/04/02 19:13
S45	3652	metal adj detector	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/04/02 19:13
S46	1673	metal adj detector and @py< "2003"	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/04/02 19:13
S47	123	metal adj detector and @py< "2003" and barrier	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/04/02 19:13
S50	0	S49 and sensor and infra-red	US-PGPUB; USPAT; USOCR; FPRS	AND	OFF	2009/04/02 19:13
S51	0	S49 and sensor and infra	US-PGPUB; USPAT; USOCR; FPRS	AND	OFF	2009/04/02 19:13
S53	0	court near perimeter near sensor	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2009/04/02 19:13
S55	0	sideline near sensor	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2009/04/02 19:13
S56	0	sport same sensor same indicator same boundry	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2009/04/02 19:13
S57	0	sport same sensor same indicator same bound\$4	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2009/04/02 19:13

## EAST Search History (Prior Art)

S58	1951	sport same sensor	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2009/04/02 19:13
S60	371	(473/570).CCLS.	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2009/04/02 19:13
S61	0	(473/570andsensor).CCLS.	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2009/04/02 19:13
S65	0	@py< "2004" and (sensorortransmitter) and ball	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/04/02 19:13
S66	53454	@py< "2004" and (sensor or transmitter) and ball	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/04/02 19:13
S67	609	@py< "2004" and (sensor or transmitter) near ball	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/04/02 19:13
S74	758	S73 and (impact near sens\$4) or (kick near sens\$4) or (hit near sens\$4)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/04/02 19:13
S76	2844	@ad< "20020917" and ((impact near sens\$4) or (kick near sens\$4) or (hit near sens\$4))	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/04/02 19:13
S77	0	@ad< "20020917" and ((impact near sens\$4) or (kick near sens\$4) or (hit near sens\$4)) and (inside near ball) and (referee or official)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/04/02 19:13
S79	0	(electronically near detectable near ball) same (pressure adj sensor)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/04/16 14:02
S80	1	(electronically near detectable near ball)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/04/16 14:03
S81	8	(ball same presure same sensor)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/04/16 14:03

## EAST Search History (Prior Art)

S82	19706	(ball same sensor)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/04/16 14:04
S83	4	(method manufacture sport ball).ti.	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/04/16 15:04
S84	1	(ball pressure sensor).ti.	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/04/16 15:17
S85	7	(ball sport pressure sensor).ab.	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/04/16 15:17
S86	7	(ball sport pressure sensor).ab.	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/04/16 15:17
S87	1446	@ad< "20020917" and ball and sensor and bladder	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 10:55
S90	0	@ad< "20020917" and ball and sensor and bladder and (sensor near inside near bladder)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 10:56
S91	0	@ad< "20020917" and ball and sensor and bladder and (sensor near attach near bladder)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 10:57
S92	2	@ad< "20020917" and ball and sensor and bladder and (sensor near attach\$3 near bladder)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 10:57
S93	0	@ad< "20020917" and ball and sensor and bladder and (sensor near inside near ball)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 10:58
S94	308	@ad< "20020917" and sport and ball and sensor and bladder	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 10:58
S95	9	((("4801141") or ("4737134") or ("4662260") or ("3580575") or ("5605336") or ("1170467") or ("5888156") or ("5639076")).PN.	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2009/10/20 12:05

## EAST Search History (Prior Art)

S96	41	(US-20050270156-\$ or US-20060287140-\$ or US-20050162257-\$ or US-20030054905-\$ or US-20020073933-\$ or US-20060135297-\$ or US-20030206411-\$ or US-20030023974-\$ or US-20020070688-\$).did. or (US-6837495-\$ or US-6551205-\$ or US-6148271-\$ or US-5748073-\$ or US-5615880-\$ or US-4577865-\$ or US-5498000-\$ or US-5394824-\$ or US-5564698-\$ or US-6149529-\$ or US-4859986-\$ or US-4422647-\$ or US-6561137-\$ or US-5259625-\$ or US-4432058-\$ or US-5794569-\$ or US-5059944-\$ or US-5810685-\$ or US-4718670-\$ or US-6422960-\$ or US-6152838-\$ or US-5294112-\$ or US-5102131-\$ or US-4595200-\$ or US-4534557-\$ or US-4440400-\$).did. or (US-5072947-\$ or US-5888156-\$ or US-5605336-\$ or US-4664376-\$ or US-5639076-\$ or US-3580575-\$).did.	US-PGPUB; USPAT	AND	ON	2009/10/20 12:39
S99	23	S96 and (inside or within or molded or embedded or imbeded or between or inner or formed or part or pressed or attached) and (bladder or layer or skin or thickness)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 13:19
S10 0	5	S96 and (goal near line)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 14:01
S10 1	17	S96 and impact	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 14:05
S10 2	5	S96 and impact near sensor	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 14:05
S10 3	4	S96 and (impact near sensor) and (score or goal or line)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 14:06
S10 4	194	@ad< "20020917" and sport and ball and (sensor near pressure)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 15:28
S10 5	6	((("4577865") or ("6148271") or ("5748073") or ("6551205") or ("5615880") or ("6837495"))).PN. or (2005/0270156.did.). CCLS.	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2009/10/20 17:47
S10 6	0	2005/0270156.did.	US-PGPUB; USPAT; USOCR; FPRS	AND	OFF	2009/10/20 17:47

## EAST Search History (Prior Art)

S10 7	1	"20050270156".did.	US-PGPUB; USPAT; USOCR; FPRS	AND	OFF	2009/10/20 17:47
S10 8	3835	metal adj detector	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S10 9	1673	metal adj detector and @py< "2003"	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S11 0	123	metal adj detector and @py< "2003" and barrier	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S11 1	64	metal adj detector and @py< "2003" and barrier and sensor	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S11 2	111	(473/471).CCLS.	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2009/10/20 17:47
S11 3	0	S112 and sensor and infra-red	US-PGPUB; USPAT; USOCR; FPRS	AND	OFF	2009/10/20 17:47
S11 4	0	S112 and sensor and infra	US-PGPUB; USPAT; USOCR; FPRS	AND	OFF	2009/10/20 17:47
S11 5	6	S112 and sensor	US-PGPUB; USPAT; USOCR; FPRS	AND	OFF	2009/10/20 17:47
S11 6	0	court near perimeter near sensor	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2009/10/20 17:47
S11 7	1	field near perimeter near sensor	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2009/10/20 17:47
S11 8	0	sideline near sensor	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2009/10/20 17:47

## EAST Search History (Prior Art)

S11 9	0	sport same sensor same indicator same boundry	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2009/10/20 17:47
S12 0	0	sport same sensor same indicator same bound\$4	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2009/10/20 17:47
S12 1	2132	sport same sensor	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2009/10/20 17:47
S12 2	258	sport same sensor same ball	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2009/10/20 17:47
S12 3	377	(473/570).CCLS.	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2009/10/20 17:47
S12 4	0	(473/570andsensor).CCLS.	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2009/10/20 17:47
S12 5	44	S123 and sensor	US-PGPUB; USPAT; USOCR; FPRS	AND	OFF	2009/10/20 17:47
S12 6	92	out adj bound same sensor	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S12 7	8	((("5800292") or ("5059944") or ("4432058") or ("5489886") or ("4840377") or ("5978723") or ("5438518") or ("5259625")).PN.	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2009/10/20 17:47
S12 8	0	@py< "2004" and (sensor or transmitter) and ball	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S12 9	53454	@py< "2004" and (sensor or transmitter) and ball	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S13 0	609	@py< "2004" and (sensor or transmitter) near ball	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47

## EAST Search History (Prior Art)

S13 1	1	@py< "2004" and (sensor or transmitter) near ball near inside	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S13 2	77	@py< "2004" and sport and (sensor or transmitter) near ball	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S13 3	72	@ay< "2002" and sport and (sensor or transmitter) near ball	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S13 4	143	@ay< "2002" and sport and (inside near ball)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S13 5	1	((GABRIELE) near2 (CRUCIANI)).INV.	US-PGPUB; USPAT; USOCR	AND	ON	2009/10/20 17:47
S13 6	32	(US-20050270156-\$ or US-20060287140-\$ or US-20050162257-\$ or US-20030054905-\$ or US-20020073933-\$ or US-20060135297-\$ or US-20030206411-\$ or US-20030023974-\$ or US-20020070688-\$).did. or (US-6837495-\$ or US-6551205-\$ or US-6148271-\$ or US-5748073-\$ or US-5615880-\$ or US-4577865-\$ or US-5498000-\$ or US-5394824-\$ or US-5564698-\$ or US-6149529-\$ or US-4859986-\$ or US-4422647-\$ or US-6561137-\$ or US-5259625-\$ or US-4432058-\$ or US-5794569-\$ or US-5059944-\$ or US-5810685-\$ or US-4718670-\$ or US-6422960-\$ or US-6152838-\$ or US-5294112-\$ or US-5102131-\$).did.	US-PGPUB; USPAT	AND	ON	2009/10/20 17:47
S13 7	791	S136 and (impact near sens\$4) or (kick near sens\$4) or (hit near sens\$4)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S13 8	5	S136 and ((impact near sens\$4) or (kick near sens\$4) or (hit near sens\$4))	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S13 9	2845	@ad< "20020917" and ((impact near sens\$4) or (kick near sens\$4) or (hit near sens\$4))	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S14 0	0	@ad< "20020917" and ((impact near sens\$4) or (kick near sens\$4) or (hit near sens\$4)) and (inside near ball) and (referee or official)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47



## EAST Search History (Prior Art)

S14 1	11	@ad< "20020917" and ((impact near sens\$4) or (kick near sens\$4) or (hit near sens\$4)) and (inside near ball)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S14 2	2	@ad< "20020917" and ((impact near sens\$4) or (kick near sens\$4) or (hit near sens\$4)) and (imbedded near ball)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S14 3	519	@ad< "20020917" and ((impact near sens\$4) or (kick near sens\$4) or (hit near sens\$4)) and ball	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S14 4	260	@ad< "20020917" and ((impact near sens\$4) or (kick near sens\$4) or (hit near sens\$4)) and ball and (inside or imbedded)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S14 5	110	@ad< "20020917" and (ball and sensor and (game or sport)).ab.	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S14 6	0	2005/0270156.did.	US-PGPUB; USPAT; USOCR; FPRS	AND	OFF	2009/10/20 17:47
S14 7	3835	metal adj detector	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S14 8	1673	metal adj detector and @py< "2003"	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S14 9	123	metal adj detector and @py< "2003" and barrier	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S15 0	111	(473/471).CCLS.	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2009/10/20 17:47
S15 1	0	S150 and sensor and infra-red	US-PGPUB; USPAT; USOCR; FPRS	AND	OFF	2009/10/20 17:47
S15 2	0	S150 and sensor and infra	US-PGPUB; USPAT; USOCR; FPRS	AND	OFF	2009/10/20 17:47

## EAST Search History (Prior Art)

S15 3	0	court near perimeter near sensor	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2009/10/20 17:47
S15 4	0	sideline near sensor	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2009/10/20 17:47
S15 5	0	sport same sensor same indicator same boundry	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2009/10/20 17:47
S15 6	0	sport same sensor same indicator same bound\$4	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2009/10/20 17:47
S15 7	2132	sport same sensor	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2009/10/20 17:47
S15 8	377	(473/570).CCLS.	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2009/10/20 17:47
S15 9	0	(473/570andsensor).CCLS.	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2009/10/20 17:47
S16 0	0	@py< "2004" and (sensor or transmitter) and ball	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S16 1	53454	@py< "2004" and (sensor or transmitter) and ball	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S16 2	609	@py< "2004" and (sensor or transmitter) near ball	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47

## EAST Search History (Prior Art)

S16 3	32	(US-20050270156-\$ or US-20060287140-\$ or US-20050162257-\$ or US-20030054905-\$ or US-20020073933-\$ or US-20060135297-\$ or US-20030206411-\$ or US-20030023974-\$ or US-20020070688-\$).did. or (US-6837495-\$ or US-6551205-\$ or US-6148271-\$ or US-5748073-\$ or US-5615880-\$ or US-4577865-\$ or US-5498000-\$ or US-5394824-\$ or US-5564698-\$ or US-6149529-\$ or US-4859986-\$ or US-4422647-\$ or US-6561137-\$ or US-5259625-\$ or US-4432058-\$ or US-5794569-\$ or US-5059944-\$ or US-5810685-\$ or US-4718670-\$ or US-6422960-\$ or US-6152838-\$ or US-5294112-\$ or US-5102131-\$).did.	US-PGPUB; USPAT	AND	ON	2009/10/20 17:47
S16 4	791	S163 and (impact near sens\$4) or (kick near sens\$4) or (hit near sens\$4)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S16 5	2845	@ad<"20020917" and ((impact near sens\$4) or (kick near sens\$4) or (hit near sens\$4))	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S16 6	0	@ad<"20020917" and ((impact near sens\$4) or (kick near sens\$4) or (hit near sens\$4)) and (inside near ball) and (referee or official)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S16 7	0	(electronically near detectable near ball) same (pressure adj sensor)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S16 8	1	(electronically near detectable near ball)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S16 9	8	(ball same presure same sensor)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S17 0	20689	(ball same sensor)	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S17 1	4	(method manufacture sport ball).ti.	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47

## EAST Search History (Prior Art)

S17 2	1	(ball pressure sensor).ti.	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S17 3	7	(ball sport pressure sensor).ab.	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47
S17 4	7	(ball sport pressure sensor).ab.	US-PGPUB; USPAT; USOCR; FPRS	AND	ON	2009/10/20 17:47